

Information Disclosure Statement

USN 10/786,736

November 2, 2004

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LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS James H. Schaffner, et al.	
	FILING DATE February 24, 2004	GROUP 2817

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
M	10/792,411		Sievenpiper			3/2/2004
	10/792,412		Sievenpiper			3/2/2004
	10/836,966		Sievenpiper			4/30/2004
	10/844,104		Sievenpiper et al.			5/11/2004
	2001/0035801 A1	11/2001	Gilbert	333	126	
	2002/0036586 A1	3/2002	Gothard et al.	342	374	
	2003/0122721 A1	7/2003	Sievenpiper	343	767	
	2003/0227351 A1	12/2003	Sievenpiper	333	105	
	2004/0135649 A1	7/2004	Sievenpiper	333	105	
	3,267,480	8/1966	Lerner	343	911	
	3,560,978	2/1971	Himmel et al.	343	106	
	3,810,183	5/1974	Krutsinger et al.	343	708	
	3,961,333	6/1976	Purinton	343	872	
	4,045,800	8/1977	Tang et al.	343	854	

EXAMINER <i>Kimberly H. Lee</i>	DATE CONSIDERED <i>4/24/05</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>EA</i>	4,051,477	9/1977	Murphy et al.	343	700 MS	
	4,119,972	10/1978	Fletcher et al.	343	844	
	4,123,759	10/1978	Hines et al.	343	854	
	4,124,852	11/1978	Steudel	343	854	
	4,127,586	11/1978	Rody et al.	260	308 B	
	4,150,382	11/1979	King	343	754	
	4,173,759	11/1979	Bakhru	343	100	
	4,189,733	2/1980	Malm	343	100 SA	
	4,217,587	8/1980	Jacomini	343	100 SA	
	4,220,954	9/1980	Marchland	343	113 R	
	4,236,158	11/1980	Daniel	343	100 LE	
	4,242,685	12/1980	Sanford	343	770	
	4,266,203	5/1981	Saudreau et al.	333	21 A	
	4,308,541	12/1981	Seidel et al.	343	786	
	4,367,475	1/1983	Schiavone	343	767	
	4,370,659	1/1983	Chu et al.	343	772	
	4,387,377	6/1983	Kandler	343	756	
	4,395,713	7/1983	Nelson et al.	343	713	
	4,443,802	4/1984	Mayes	343	729	
<i>✓</i>	4,590,478	5/1986	Powers et al.	343	700 MS	

EXAMINER <i>EA</i>	DATE CONSIDERED 4/20/05
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
HA	4,594,595	6/1986	Struckman	343	770	
	4,672,386	6/1987	Wood	343	770	
	4,684,953	8/1987	Hall	343	725	
	4,700,197	10/1987	Milne	343	837	
	4,737,795	4/1988	Nagy et al.	343	712	
	4,749,966	6/1988	Tresselt	343	700 MS	
	4,760,402	7/1988	Mizuno et al.	343	713	
	4,782,346	11/1988	Sharma	343	795	
	4,803,494	2/1990	Norris et al.	343	770	
	4,821,040	4/1989	Johnson et al.	343	700 MS	
	4,835,541	5/1989	Johnson et al.	343	713	
	4,843,403	6/1989	Tsao et al.	343	700 MS	
	4,843,403	6/1988	Lalezari et al.	343	767	
	4,853,704	8/1989	Diaz et al.	343	767	
	4,903,033	2/1990	Tsao et al.	343	700 MS	
	4,905,014	2/1990	Gonzalez et al.	343	909	
	4,916,457	4/1990	Foy et al.	343	770	
	4,922,263	5/1990	Dubost et al.	343	797	
	4,958,165	9/1990	Axford et al.	343	770	
✓	5,021,795	6/1991	Masiulis	343	700 MS	

EXAMINER <i>H. Stern</i>	DATE CONSIDERED 4/26/05
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
21	5,023,623	6/1991	Kreinherder et al.	343	725	
	5,070,340	12/1991	Diaz	343	767	
	5,081,466	1/1992	Bitter, Jr.	343	767	
	5,115,217	5/1992	McGrath et al.	333	246	
	5,146,235	9/1992	Frese	343	895	
	5,158,611	10/1992	Ura et al.	106	499	
	5,235,343	8/1993	Audren et al.	343	816	
	5,268,696	12/1993	Buck et al.	342	372	
	5,268,701	12/1993	Smith	343	767	
	5,287,116	2/1994	Iwasaki et al.	343	700 MS	
	5,287,118	2/1994	Budd	343	909	
	5,402,134	3/1995	Miller et al.	343	742	
	5,406,292	4/1995	Schnetzler et al.	343	700 MS	
	5,519,408	5/1996	Schnetzler	343	767	
	5,525,954	6/1996	Komazaki et al.	333	219	
	5,531,018	7/1996	Saia et al.	29	622	
	5,532,709	7/1996	Talty	343	819	
	5,534,877	7/1996	Sorbello et al.	343	700 MS	
	5,541,614	7/1996	Lam et al.	343	792.5	
	5,557,291	9/1996	Chu et al.	343	725	

EXAMINER <i>K. Glenn</i>	DATE CONSIDERED 4/26/05
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>HA</i>	5,581,266	12/1996	Peng et al.	343	770	
	5,589,845	12/1996	Yandrofski et al.	343	909	
	5,611,940	3/1997	Zettler	73	514.16	
	5,638,946	6/1997	Zavracky	200	181	
	5,644,319	7/1997	Chen et al.	343	702	
	5,694,134	12/1997	Barnes	343	700	
	5,721,194	2/1999	Yandrofski et al.	505	210	
	5,767,807	6/1998	Pritchett	342	374	
<i>C</i>	5,808,527	9/1998	De Los Santos	333	205	
	5,874,915	2/1999	Lee et al.	342	375	
	5,892,485	8/1999	Glabe et al.	343	789	
	5,894,288	8/1999	Lee et al.	343	770	
	5,905,465	5/1999	Olson et al.	343	700 MS	
	5,923,303	7/1999	Schwengler et al.	343	853	
	5,926,139	8/1999	Korisch	343	702	
	5,929,819	7/1999	Grinberg	343	754	
	5,943,016	8/1999	Synder, Jr. et al.	343	700 MS	
	5,945,951	8/1999	Monte et al.	343	700 MS	
	5,949,382	9/1999	Quan	343	767	
<i>J</i>	5,966,096	10/1999	Brachat	343	700 MS	

EXAMINER <i>K. Stearn</i>	DATE CONSIDERED <i>4/24/05</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with 35 USC 102; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

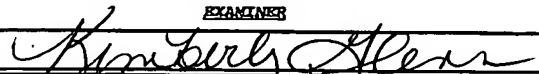
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
	5,966,101	10/1999	Haub et al.	343	767	
	6,005,519	12/1999	Burns	343	700 MS	
	6,005,521	12/1999	Suguro et al.	343	700 MS	
	6,008,770	12/1999	Sugawara	343	767	
	6,016,125	1/2000	Johansson	343	767	
	6,028,561	2/2000	Takei	343	767	
	6,034,644	3/2000	Okabe et al.	343	767	
	6,034,655	3/2000	You	345	60	
	6,037,905	3/2000	Koscica et al.	343	701	
	6,040,803	3/2000	Spall	343	700 MS	
	6,046,655	4/2000	Cipolla	333	137	
	6,046,659	4/2000	Loo et al.	333	362	
	6,054,659	8/2000	Lee et al.	200	181	
	6,061,025	5/2000	Jackson et al.	343	700 MS	
	6,075,485	6/2000	Lilly et al.	343	700 MS	
	6,081,235	6/2000	Romanofsky, et al.	343	700 MS	
	6,081,239	6/2000	Sabet et al.	343	753	
	6,097,263	8/2000	Mueller et al.	333	17.1	
	6,097,343	8/2000	Goetz et al.	343	708	
	6,118,406	9/2000	Josypenko	343	700 MS	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
<i>JS</i>	6,118,410	9/2000	Nagy	343	713	
	6,127,908	10/2000	Bozler et al.	333	246	
	6,150,989	11/2000	Aubry	343	767	
	6,154,176	11/2000	Fathy et al.	343	700 MS	
	6,166,705	12/2000	Mast et al.	343	853	
	6,175,337 B1	1/2001	Jasper, Jr. et al.	343	770	
	6,175,723 B1	1/2001	Rothwell, III	455	63	
	6,188,369 B1	2/2001	Okabe et al.	343	767	
	6,191,724 B1	2/2001	McEwan	342	21	
	6,198,438 B1	3/2001	Herd et al.	343	700 MS	
	6,198,441 B1	3/2001	Okabe et al.	343	767	
	6,204,819 B1	3/2001	Hayes et al.	343	702	
	6,218,912 B1	4/2001	Mayer	333	106	
	6,218,997 B1	4/2001	Lindenmeier et al.	343	725	
	6,246,377 B1	6/2001	Aiello et al.	343	700	
	6,252,473 B1	6/2001	Ando	333	105	
	6,285,325 B1	9/2001	Nalbandian et al.	343	700 MS	
	6,307,519 B1	10/2001	Livingston et al.	343	767	
	6,317,095 B1	11/2001	Teshirogi et al.	343	785	
	6,323,826 B1	11/2001	Sievenpiper et al.	343	909	

EXAMINER <i>Kimberly Allen</i>	DATE CONSIDERED <i>4/26/05</i>
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EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLAS S	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
JS	6,331,257 B1	12/2001	Loo et al.	216	13	
	6,366,254 B1	4/2002	Sievenpiper et al.	343	700	
	6,373,349 B2	4/2002	Gilbert	333	126	
	6,380,895 B1	4/2002	Moren et al.	343	700 MS	
	6,388,631 B1	5/2002	Livingston et al.	343	767	
	6,392,610 B1	5/2002	Braun et al.	343	876	
	6,404,390 B2	6/2002	Sheen	343	700 MS	
	6,404,401 B2	6/2002	Gilbert et al.	343	780	
	6,407,719 B1	6/2002	Ohira et al.	343	893	
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	6,426,722 B1	7/2002	Sievenpiper et al.	343	700 MS	
	6,440,767 B1	8/2002	Loo et al.	438	52	
	6,473,362 B1	11/2002	Gabbay	367	119	
	6,483,480 B1	11/2002	Sievenpiper et al.	343	909	
	6,496,155 B1	11/2002	Sievenpiper et al.	343	770	
	6,515,635 B2	4/2003	Chiang et al.	343	834	
	6,518,931 B1	2/2003	Sievenpiper	343	700	
	6,538,621 B1	3/2003	Sievenpiper et al.	343	909	
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EXAMINER <i>Timothy Allen</i>	DATE CONSIDERED 7/26/05
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












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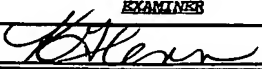
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	196 00 609 A1	4/1997	EP			abstract
	0 539 297	4/1993	EP			abstract
	1 158 605 A1	11/2001	EP			
	2 785 476	5/2000	FR			abstract
	1,145,208	3/1969	GB			
	2 281 662	3/1995	GB			
	2 328 748	3/1999	GB			
	61-260702	11/1986	JP			abstract
	94/00891	1/1994	WO			
	96/29621	9/1996	WO			
	98/21734	5/1998	WO			abstract
	99/50929	10/1999	WO			
	00/44012	7/2000	WO			abstract
	01/31737	5/2001	WO			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	Balanis, C., "Aperture Antennas," <i>Antenna Theory, Analysis and Design</i> , 2nd Edition, Ch. 12, pp 575-597 (1997).
<input checked="" type="checkbox"/>	Balanis, C., "Microstrip Antennas," <i>Antenna Theory, Analysis and Design</i> , 2nd Edition, Ch. 14, pp 722-736 (1997).
<input checked="" type="checkbox"/>	Bialkowski, M.E., et al., "Electronically Steered Antenna System for the Australian Mobilesat," <i>IEE Proc.-Microw. Antennas Propag.</i> , Vol. 143, No. 4, pp 347-352 (August 1996).
<input checked="" type="checkbox"/>	Bradley, T.W., et al., "Development Of A Voltage-Variable Dielectric (VVD), Electronic Scan Antenna," <i>Radar 97</i> , Publication No. 449, pp. 383-385 (October 1997).
<input checked="" type="checkbox"/>	Chen, P.W., et al., "Planar Double-Layer Leaky Wave Microstrip Antenna," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 50, pp. 832-835 (2002).
<input checked="" type="checkbox"/>	Chen, Q., et al., "FDTD diakoptic design of a slop-loop antenna excited by a coplanar waveguide," <i>Proceedings of the 25th European Microwave Conference 1995</i> , Vol. 2, Conf. 25, pp 815-819 (September 4, 1995).
<input checked="" type="checkbox"/>	Cognard, J., "Alignment of Nematic Liquid Crystals and Their Mixtures," <i>Mol. Cryst. Liq., Cryst. Suppl.</i> 1, pp 1-74 (1982).
<input checked="" type="checkbox"/>	Doane, J.W., et al., "Field Controlled Light Scattering from Nematic Microdroplets," <i>Appl. Phys. Lett.</i> , Vol. 48, pp 269-271 (January 1986).
<input checked="" type="checkbox"/>	Ellis, T.J., et al., "MM-Wave Tapered Slot Antennas on Micromachined Photonic Bandgap Dielectrics," <i>1996 IEEE MTT-S International Microwave Symposium Digest</i> , Vol. 2, pp. 1157-1160 (1996).
<input checked="" type="checkbox"/>	Grbic, A., et al., "Experimental Verification of Backward Wave Radiation From A Negative Refractive Index Metamaterial," <i>Journal of Applied Physics</i> , Vol. 92, No.10, pp. 5930-5935 (November 15, 2002).
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EXAMINER <i>Kimberly</i>	DATE CONSIDERED 4/26/06
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Form PTO-1449 (Modified) Page 11 of 12	ATTY DOCKET NO. B-4958NP 621373-2	U.S. SERIAL NO. 10/786,736
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS James H. Schaffner, et al.	
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EXAMINER 	DATE CONSIDERED 4/24/05
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EXAMINER: Initials if reference considered, whether or not citation is in conformance with MPEP 409; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 (Modified) Page 12 of 12	ATTY DOCKET NO. B-4958NP 621373-2	U.S. SERIAL NO. 10/786,736
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS James H. Schaffner, et al.	
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